



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

644.4124

Job Sheet 175562



Part No: 644.4124

Job Qty: 10 ea

Part Name: Washer, Pivot



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/6/18

Job Tracking No:

Due Date: 4/16/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG 644.4100 Rev F2 IPP REV:A NEW ISSUE 16-12-07 JLM VERIFIED BY:DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Start up Operation	10 Ea		4/13/18	0.00	0.00	Start Up Machining-4		<i>[Signature]</i> 18/05/18
110	Doosan	10 pcs		4/14/18	0.00	10.00	Doosan		<i>[Signature]</i> 18/05/18
120	QC	10 pcs		4/14/18	0.00	0.00	QC2 Machining-1		<i>[Signature]</i> 18/05/18
130	QC	10 pcs		4/14/18	0.00	0.00	QC8 Machining-2		<i>[Signature]</i> 18-05-08
140	Outsource	10 pcs		4/14/18	0.00	0.00	Outsource4		<i>[Signature]</i> 18-05-08
150	Packaging	10 pcs		4/14/18	0.00	0.00	Packaging2		<i>[Signature]</i> 18/05/18
160	QC	10 pcs		4/14/18	0.00	0.00	QC6		<i>[Signature]</i> 18/05/18
170	SprayPaint	10 pcs		4/16/18	0.00	1.00	Spray Paint		<i>[Signature]</i> JUN 08 2018
180	QC	10 pcs		4/16/18	0.00	0.00	QC14		<i>[Signature]</i> 18-05-11
190	Packaging	10 pcs		4/16/18	0.00	0.00	Packaging3-1		<i>[Signature]</i> 18-05-11
200	QC21-SA	10 Ea		4/16/18	0.00	0.00	QC21		<i>[Signature]</i> JUN 11 2018

Part Op 110 - 1-Machine as per folio _____ FOLIO REV: _____ DWG REV: _____ 2-Deburr
Descriptions: 140 - 1-ISSUE P/O TO *[Signature]* 2-Anodize Black -MPP-172 Section 2.1 -Hard Anodize IAW Mil-A-8625
Type 3 Class 2 3-Certification of Conformity is required
170 - PRIME AS PER DWG AND NOTE 4 BATCH: _____ PAINT AS PER DWG AND NOTE 4
BATCH: _____
190 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6R2.000	6061T6 Round Bar 2.00	.4100 ft (.041 ea)	100-Start up Operation	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Start up Operation	M6061T6R2.000	0	22	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

DQA: _____ Date: _____



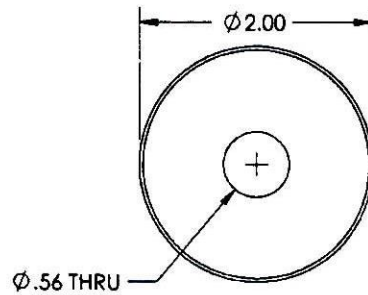
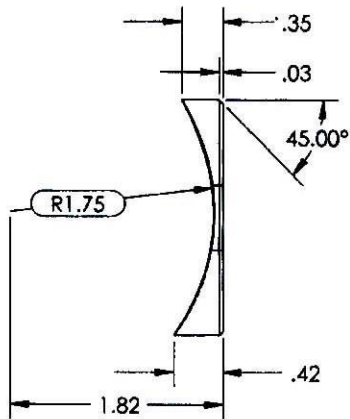
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

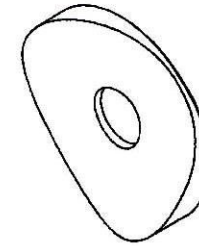
Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



644.4124



ORIGINAL DATE 08-01-05		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300		
DESIGNED BY J. JOSEPH				
CHECKED BY J. JOSEPH		PIVOT STEP ASSY		
CONTRACT NO.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1 PLACE DECIMALS ± .010 2 PLACE DECIMALS ± .005 ANGLES ± .5°		SHEET CODE 8 07M26	DWG. NO. 644.4100	REV. F
SCALE: NONE		SHEET 16 OF 16		

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION	AGAINST DEPARTMENT/PROCESS			
	Rework ☐	Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐
	Scrap ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐
	Use-as-is ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐
	Suspected Unapproved ☐	Large Fab ☐	Composite ☐	Supplier ☐	

Date :	Step #:	QTY Effective :	MRB (QSI042) Approval
Description Work Order Deviation		Disposition	Completed By
			Lead hand / Supervisor Approval Verification
			QC / QA Coordinator Approval

FAULT CATEGORY

e	☐	Power Loss/Surge	☐	Positioned Wrong
	☐	Folio/Program	☐	Outside Dimensions
	☐	Grain	☐	Over/Under tolerance
Defect	☐	Weld	☐	Part Incorrect
	☐	Wrong Stock Pulled	☐	Part Lost/Missing
	☐	Out of Sequence	☐	Part Moved
Delete/Unqualified	☐	Off-set	☐	Drawing
	☐	Mislabeled	☐	Finish
	☐	Fit/Function	☐	Misread
Complete/Unclear	☐	Misaligned/off center	☐	Turning Sequence

Dart Aerospace Ltd.
1270 Aberdeen Street
Newmarket, ON K4A 1K7
CANADA
TEL: 1 813 832-5200
Email: sales@dartaero.com
www.dartaerospace.com



Container No: S069228



Part: 644.4124

Job No: 175562

Serial No/Batch: S069228

Revision: F2

Inspector:

Date: 05/08/18



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039824**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039824
PO Date: 5/8/18
Due Date: 5/17/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Tsimiklis, Chrisoula
Via: Ground
Pynt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	175552	644.4113	Spacer, Stop 1-ISSUE P/O TO ATG: _____ 2-Anodize Black -MPP-172 Section 2.1 -Hard Anodize IAW Mil-A-8625 Type 3 Class 2 3-Certification of Conformity is required	Firmed	5/16/18	20 pcs	0 pcs	20 pcs	\$4.20/pcs	\$84.00
						✓ 20x			AT 19/05/17	
2	175557	644.4114	Washer, Pivot 1-ISSUE P/O TO ATG: _____ 2-Anodize Black -MPP-172 Section 2.1 -Hard Anodize IAW Mil-A-8625 Type 3 Class 2 3-Certification of Conformity is required	Firmed	5/16/18	10 pcs	0 pcs	10 pcs	\$5.70/pcs	\$57.00
						✓ 10x			AT 19/05/17	
3	175558	644.4119	Spacer, Fwd Stop 1-ISSUE P/O TO ATG: _____ 2-Anodize Black -MPP-172 Section 2.1 -Hard Anodize IAW Mil-A-8625 Type 3 Class 2 3-Certification of Conformity is required	Firmed	5/16/18	20 pcs	0 pcs	20 pcs	\$4.50/pcs	\$90.00
						✓ 20x			AT 19/05/17	
									CDL	

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	175738	649.4813	Shim ISSUE P/O: _____ As Per MPP-172 Section 2.1, Hard Anodize IAW MIL-A-8625, Type III, Class 2, Color Black As Per MPP-172 Section 4.2 Prime IAW MIL-P-23377J Type1 Class N	Firmed	5/16/18	11 pcs	0 pcs	11 pcs	\$7.45/pcs	\$81.95
	172764			Firmed	5/16/18	15 pcs	15 pcs	15 pcs	\$7.45/pcs	\$111.75
	177140			Firmed	5/16/18	20 pcs	20 pcs	20 pcs	\$7.45/pcs	\$149.00
Sub Total:						46	0	46		\$342.70
5	176020	649.5111	LH Wiper Deflector Issue P/O to ATG : _____ AS PER DWG 649.5100 1- Black Anodize as per 2- PRIME AS PER DWG, SEE NOTE #2 Certification of Comformity is required	Firmed	5/16/18	10 pcs	0 pcs	10 pcs	\$17.50/pcs	\$175.00
6	176604	D5230-1	Mounting Plate Outsource process-Anodize per QSI017 4.1.10.1 ISSUE P/O: _____ SUPPLIER: ATG HARD ANODIZE BLACK AS PER MIL SPEC AND DWG C OF C IS REQUIRED	Firmed	5/16/18	10 pcs	0 pcs	10 pcs	\$9.70/pcs	\$97.00
7	176021	649.5112	RH Wiper Deflector Issue P/O to ATG : _____ AS PER DWG 649.5100 1- Black Anodize 2- PRIME, SEE NOTE #2 Certification of Comformity is required	Firmed	5/16/18	10 pcs	0 pcs	10 pcs	\$17.50/pcs	\$175.00
8	175562	644.4124	Washer, Pivot 1-ISSUE P/O TO ATG: _____ 2-Anodize Black -MPP-172 Section 2.1 -Hard Anodize IAW Mil-A-8625 Type 3 Class 2 3-Certification of Comformity is required	Firmed	5/16/18	10 pcs	0 pcs	10 pcs	\$5.70/pcs	\$57.00
9	170444	646.2910	Deflector Issue P/O to ATG : _____ Hard Anodize, Color Black / Prime As per Dwg 646.2900 Rev. N/C	Firmed	5/16/18	8 pcs	0 pcs	8 pcs	\$49.20/pcs	\$393.60
	174119			Firmed	5/17/18	7 pcs	0 pcs	7 pcs	\$49.20/pcs	\$344.40
Sub Total:						15	0	15		\$738.00
10	177135	649.5012	Deflector Issue P/O to ATG: _____ AS PER MPP-172 SECTION 2.1, HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625 TYPE 3 CLASS 2 AS PER MPP-172 SECTION 4.2, PRIME AS PER IAW MIL-PRF-23377 TYPE 1 CLASS N Certification of Comformity is required	Firmed	5/16/18	16 pcs	0 pcs	16 pcs	\$8.50/pcs	\$136.00
Grand Total:										\$1,951.70
Order Notes										
Plex 5/16/18 8:15 AM dart.tsimiklis.chrisoula										

AT 18/05/1

AT 18/05/1

AT 18/05/1

AT 18/05/16

AT 18/05/16

AT 18/05/17

DAS
38
9-89



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 915145

Date: 11-May-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
20 ea	Part: 644.4113 Spacer, Stop Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Job: 23037	Rev: F PO: PO039824	Line: 1
10 ea	Part: 644.4114 Washer, Pivot Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Job: 23038	Rev: F PO: PO039824	Line: 2
20 ea	Part: 644.4119 Spacer, Fwd Stop Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Job: 23039	Rev: F PO: PO039824	Line: 3
10 ea	Part: 644.4124 Washer, Pivot Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Job: 23044	Rev: F PO: PO039824	Line: 8
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>11/05/2018</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of Made in Canada.			

DA
38
9-89

